

KOREAN PATENT ABSTRACTS

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(54) DUAL SCAN DRIVING TYPE LCD SUBSTRATE TO HAVE A DOUBLE GATE LINE WITH A LADDER TYPE

57) Abstract:

PURPOSE: A dual scan driving type LCD(Liquid Crystal Display) substrate is provided to have a double gate line with a ladder type, thereby repairing a signal line having a defect with a simple method. CONSTITUTION: Plural gate lines(g1-gm) are transversely formed on the LCD substrate. Plural data lines(d1-dn) are longitudinally formed on the LCD substrate, crossed vertically to the plural gate lines and extended from the top to the center of the substrate. A repair line(6) is formed repeatedly at each data line group, is adjacent to the data line and positioned in parallel to the data line. A repair ring(5) is formed at the upper and lower ends of the substrate and positioned in parallel to the gate line. A double gate line(30) with a latter structure is formed at the center of the substrate and encapsulates the divided two data line groups.